

CLAIMS

5 ~~1. A method for setting up USSD transfer for transmitting data between two parties, namely a mobile station (MS) and a cellular communications network (PLMN), wherein the USSD transfer takes place on a fast channel (FACCH) if the mobile station is involved in a call, and otherwise on a slow channel (SDCCH);~~

~~the method being characterized in that:
the amount of data to be transmitted is determined (1-2, 2-2); and
if the amount of data to be transmitted is likely to exceed a prede-
10 termined threshold, and if the mobile station (MS) is not involved in a call, the mobile station (MS) is directed to call mode for switching the USSD transfer to the fast channel (FACCH).~~

~~2. A method as claimed in claim 1, characterized in that the mobile station is directed into call mode by initiating a call attempt (1-4, 1-4'; 2-
15 4, 2-4').~~

~~3. A method as claimed in claim 1 or 2, characterized in that the party (MS, PLMN) that initiates the USSD transfer also initiates the call attempt (1-4, 1-4'; 2-4, 2-4').~~

~~4. A method as claimed in claim 1 or 2, characterized in that
20 the network (PLMN), when initiating the USSD transfer, sends the mobile station (MS) an indication (3-2) that the mobile station (MS) must initiate the call attempt (1-4, 1-4').~~

~~5. A method as claimed in any one of the preceding claims, characterized in that the mobile station (MS), when initiating the call
25 attempt (1-4, 1-4'), calls a non-existent number or itself.~~

~~6. A mobile station (MS), adapted for setting up USSD transfer for transmitting data between itself and a cellular communications network (PLMN), wherein the USSD transfer takes place on a fast channel (FACCH) if the mobile station is involved in a call, and otherwise on a slow channel
30 (SDCCH);~~

~~characterized in that the mobile station (MS) is adapted to:
determine (1-2) the amount of data to be transmitted; and~~

initiate a call attempt (1-4, 1-4') for switching the USSD transfer to the fast channel (FACCH) if the amount of data to be transmitted is likely to exceed a predetermined threshold and if the mobile station (MS) is not involved in a call.

5 ~~7.~~ An arrangement for a cellular communications network (PLMN), adapted for setting up USSD transfer for transmitting data between itself and a mobile station (MS), wherein the USSD transfer takes place on a fast channel (FACCH) if the mobile station (MS) is involved in a call, and otherwise on a slow channel (SDCCH);

10 characterized in that the arrangement is adapted to:
determine (2-2) the amount of data to be transmitted; and
initiate a call attempt (1-4, 1-4'; 2-4, 2-4') for switching the USSD
transfer to the fast channel (FACCH) if the amount of data to be transmitted is
likely to exceed a predetermined threshold and if the mobile station (MS) is not
15 involved in a call.

8. An arrangement as claimed in claim 7, characterized in that it is adapted to initiate a call attempt (1-4, 1-4') by sending to the mobile station (MS) an indication (3-2) that the mobile station (MS) must initiate the call attempt.